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In the claims:

1. (Currently Amended) A method of operating an active night vision system comprising:
generating a first oscillating signal;
generating [[a]]at least one trigger signal having [[a]]at least one duty cycle with a cycle start time and a cycle end time;
synchronizing said cycle end time with a pulse end time of said first oscillating signal; and
operating a light source in response to said duty cycle.
2. (Currently Amended) A method as in claim 1 further comprising operating a receiver in response to said at least one duty cycle.
3. (Original) A method as in claim 2 wherein said light source and said receiver are activated at said cycle start time and deactivated at said cycle end time.
4. (Currently Amended) A method as in claim 1 wherein generating [[a]]at least one trigger signal having [[a]]at least one duty cycle with a cycle start time and a cycle end time is performed via a controller.
5. (Original) A method as in claim 1 wherein synchronizing said cycle end time with a pulse end time of said first oscillating signal is performed via a controller.
6. (Original) A method as in claim 1 further comprising:
generating a second oscillating signal in response to said first oscillating signal; and
synchronizing said cycle start time with a pulse start time of said second oscillating signal.
7. (Original) A method as in claim 1 further comprising synchronizing said cycle start time with a pulse end time of said first oscillating signal.
8. (Currently Amended) A method as in claim 7 wherein synchronizing said cycle start time with a pulse end time comprises

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synchronizing a rising edge of said at least one duty cycle with a falling edge of said first oscillating signal.

9. (Currently Amended) A method as in claim 1 wherein synchronizing said cycle end time with a pulse end time comprises synchronizing a first falling edge of said at least one duty cycle with a second falling edge of said first oscillating signal.

10-20. (Canceled)

21. (New) A method as in claim 1 further comprising:
generating a second oscillating signal;
generating a pre-trigger signal having a first duty cycle in response to said first oscillating signal and said second oscillating signal;
detecting pulse endings of said first oscillating signal and said second oscillating signal and generating a post-trigger signal having a second duty cycle; and
operating a light source in response to said second duty cycle.

(New) A method as in claim 21 further comprising operating a receiver in response to said second duty cycle.

22. (New) A method as in claim 21 where said first oscillating signal is associated with horizontal oscillation of a receiver.

23. (New) A method as in claim 21 wherein said pre-trigger signal is partially synchronized with said first oscillating signal.

24. (New) A method as in claim 21 wherein said post-trigger signal is fully synchronized with said first oscillating signal.

25. (New) A method as in claim 21 wherein said second oscillating signal is an approximately 60Hz oscillating signal.

26. (New) A method as in claim 1 further comprising:
generating a second oscillating signal;
generating said at least one trigger signal in response to said first oscillating signal and said second oscillating signal; and
counting pulses within said first oscillating signal in relation to said second oscillating signal; and

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synchronizing said cycle end time with a second pulse end time of said first oscillating signal.

28. (New) A method as in claim 27 comprising synchronizing said cycle start time with a first pulse end time of said first oscillating signal.